P-LTRL (PETROCHEM - LOW TEMPERATURE RETARDER LIQUID)

TECHNICAL DATA

P-LTRL is a low temperature cement retarder liquid for slurries designated for use up to 280 deg.°F. P-LTRL disperses easily in water and can be used with either fresh or sea water.

Once dispersed in water P-LTRL is compatible with all of the commonly used cements and cement additives. The normal concentration range of P-LTRL is 0.02 To 0.04 Gallons per sack of cement.

Generally speaking, the use of P-LTRL at 0.04 Gals./Sk. of cement mixed with fresh water at 15.6 Ppg. Will provide appx. 5 Hrs: Thickening time at a BHST of 170 deg.°F. However, specific thickening time data for slurry design must be determined in the laboratory with the cement, water and other additives prior to the cement job.

PROPERTIES

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>FORM</th>
<th>SP. GR.</th>
<th>PACKAGING</th>
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<tbody>
<tr>
<td>P-LTRL</td>
<td>Dark Brown</td>
<td>1.25</td>
<td>55 Or 5 gal. Pails.</td>
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SAFETY

Chemical goggles are required while handling P-LTRL since the product is viscous and eye contact will be irritating. If the P-LTRL gets in the eyes, rinse with running water while holding the eye lids apart. If irritation persists, get medical attention. If the skin is contacted - wash thoroughly with water. For more information on safety refer to the MSDS sheet.